

{PRIVATE } APPLICATION FOR FINANCIAL ASSISTANCE
Revised 4/99

IMPORTANT: Please consult the "Instructions for Completing the Project Application" for assistance in completion of this form.

SUBDIVISION: CITY OF CINCINNATI CODE# 061-15000

DISTRICT NUMBER: 2 COUNTY: Hamilton DATE 9 / 08 / 2007

CONTACT: Keith Pettit PHONE # (513) 352-5286

(THE PROJECT CONTACT PERSON SHOULD BE THE INDIVIDUAL WHO WILL BE AVAILABLE ON A DAY-TO-DAY BASIS DURING THE APPLICATION REVIEW AND SELECTION PROCESS AND WHO CAN BEST ANSWER OR COORDINATE THE RESPONSE TO QUESTIONS)

FAX (513)352-1581 E-MAIL: Keith.Pettit@cincinnati-oh.gov

PROJECT NAME: Hamilton Avenue Phase 2

SUBDIVISION TYPE

(Check Only 1)

- ☐ 1. County
☒ 2. City
☐ 3. Township
☐ 4. Village
☐ 5. Water/Sanitary District
(Section 6119 O.R.C.)

FUNDING TYPE REQUESTED

(Check All Requested & Enter Amount)

- ☒ 1. Grant \$913,500
☐ 2. Loan \$
☐ 3. Loan Assistance \$

PROJECT TYPE

(Check Largest Component)

- ☒ 1. Road
☐ 2. Bridge/Culvert
☐ 3. Water Supply
☐ 4. Wastewater
☐ 5. Solid Waste
☐ 6. Stormwater

TOTAL PROJECT COST: \$4,567,600

FUNDING REQUESTED: \$913,500

DISTRICT RECOMMENDATION
To be completed by the District Committee ONLY

GRANT: \$ 913,500 LOAN ASSISTANCE: \$
SCIP LOAN: \$ RATE: % TERM: yrs.
RLP LOAN: \$ RATE: % TERM: yrs.

(Check Only 1)

- ☐ State Capital Improvement Program ☐ Small Government Program
☒ Local Transportation Improvements Program

HAMILTON COUNTY
ENGINEER'S
PERMIT DEPARTMENT
2007 SEP 21 PM 1:18

FOR OPWC USE ONLY

PROJECT NUMBER: C / C
Local Participation %
OPWC Participation %
Project Release Date: / /
OPWC Approval:

APPROVED FUNDING: \$
Loan Interest Rate: %
Loan Term: years
Maturity Date:
Date Approved: / /
SCIP Loan RLP Loan

1.0 PROJECT FINANCIAL INFORMATION

1.1 PROJECT ESTIMATED COSTS:
(Round to Nearest Dollar)

TOTAL DOLLARS

**FORCE ACCOUNT
DOLLARS**

a.) Basic Engineering Services:

\$_____.**00**

Preliminary Design \$
Final Design \$
Bidding \$_____.

00

Construction Phase \$_____.

00

Additional Engineering Services

\$_____.**00**

*Identify services and costs below.

b.) Acquisition Expenses:

Land and/or Right-of-Way

\$_____

c.) Construction Costs:

\$_____**4,567,600.00**

d.) Equipment Purchased Directly:

\$_____.**00**

e.) Permits, Advertising, Legal:

(Or Interest Costs for Loan Assistance
Applications Only)

\$_____.**00**

f.) Construction Contingencies:

\$_____**0.00**

g.) TOTAL ESTIMATED COSTS:

\$_____**4,567,600.00**

*List Additional Engineering Services here:
Service:

Cost:

1.2 PROJECT FINANCIAL RESOURCES:
(Round to Nearest Dollar and Percent)

	DOLLARS	%
a.) Local In-Kind Contributions	\$ <u> .00</u>	
b.) Local Revenues	\$ <u> .00</u>	<u>0.0</u>
c.) Other Public Revenues	\$ <u> .00</u>	
ODOT	\$ <u> .00</u>	
Rural Development	\$ <u> .00</u>	
OEPA	\$ <u> .00</u>	
OWDA	\$ <u> .00</u>	
CDBG	\$ <u> .00</u>	
OTHER <u>STP FUNDS</u>	\$ <u>3,654,080.00</u>	<u>80</u>
SUBTOTAL LOCAL RESOURCES:	\$ <u>3,654,080.00</u>	<u>80</u>
d.) OPWC Funds		
1. Grant	\$ <u>913,520.00</u>	<u>20</u>
2. Loan	\$ <u> .00</u>	
3. Loan Assistance	\$ <u> .00</u>	
SUBTOTAL OPWC RESOURCES:	\$ <u>913,520.00</u>	<u>20</u>
e.) TOTAL FINANCIAL RESOURCES:	\$ <u>4,567,600.00</u>	<u>100%</u>

1.3 AVAILABILITY OF LOCAL FUNDS:

Attach a statement signed by the Chief Financial Officer listed in section 5.2 certifying all local share funds required for the project will be available on or before the earliest date listed in the Project Schedule section.

ODOT PID# 79089

Sale Date: 12/15/2008

STATUS: (Check one)

Traditional

Local Planning Agency (LPA)

State Infrastructure Bank

2.0 PROJECT INFORMATION

If project is multi-jurisdictional, information must be consolidated in this section.

2.1 PROJECT NAME: Hamilton Avenue Phase 2

2.2 BRIEF PROJECT DESCRIPTION - (Sections A through C):

A: SPECIFIC LOCATION:

Hamilton Avenue from Ashtree Drive to Southridge Drive (formerly Windermere Way)

PROJECT ZIP CODE: 45232

B: PROJECT COMPONENTS:

Widening of pavement to standard lane widths and providing left turn lanes at signalized intersections. Highway work includes concrete base and asphalt surface; new sidewalk on both sides of street, street lights, traffic signals, and overhead signage. Project will address safety countermeasures using pavement markings, LED signal heads, and overhead signage.

C: PHYSICAL DIMENSIONS / CHARACTERISTICS:

Project covers 2,700 linear feet on Hamilton Avenue and is 4 through lanes

D: DESIGN SERVICE CAPACITY:

Detail current service capacity vs. proposed service level.

Road or Bridge: Current ADT 21,420 Year: 2007 Projected ADT: _____ Year: _____

Water/Wastewater: Based on monthly usage of 7,756 gallons per household, attach current rate ordinance. Current Residential Rate: \$_____ Proposed Rate: \$_____

Stormwater: Number of households served: _____

2.3 USEFUL LIFE / COST ESTIMATE: Project Useful Life: 20 Years.

Attach Registered Professional Engineer's statement, with original seal and signature confirming the project's useful life indicated above and estimated cost.

3.0 REPAIR/REPLACEMENT or NEW/EXPANSION:

TOTAL PORTION OF PROJECT REPAIR/REPLACEMENT	\$3,000,000.00
TOTAL PORTION OF PROJECT NEW/EXPANSION	\$ 1,567,500.00

4.0 PROJECT SCHEDULE: *

	BEGIN DATE	END DATE
4.1 Engineering/Design:	<u>9 / 1 / 07</u>	<u>9 / 1 / 08</u>
4.2 Bid Advertisement and Award:	<u>12 / 1 / 08</u>	<u>12 / 15 / 08</u>
4.3 Construction:	<u>2 / 1 / 09</u>	<u>2 / 1 / 10</u>
4.4 Right-of-Way/Land Acquisition:	<u>7 / 1 / 07</u>	<u>9 / 1 / 08</u>

* Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by the CEO of record and approved by the commission once the Project Agreement has been executed. The project schedule should be planned around receiving a Project Agreement on or about July 1st.

5.0 APPLICANT INFORMATION:

5.1	CHIEF EXECUTIVE OFFICER	<u>Scott Stiles</u>
	TITLE	<u>Assistant City Manager</u>
	STREET	<u>Room 104, City Hall</u>
		<u>801 Plum Street</u>
	CITY/ZIP	<u>Cincinnati, Ohio 45202</u>
	PHONE	<u>(513) 352-3475</u>
	FAX	<u>(513) 352-2458</u>
	E-MAIL	
5.2	CHIEF FINANCIAL OFFICER	<u>Joe Gray</u>
	TITLE	<u>Acting Finance Director</u>
	STREET	<u>Room 250, City Hall</u>
		<u>801 Plum Street</u>
	CITY/ZIP	<u>Cincinnati, Ohio 45202</u>
	PHONE	<u>(513) 352-5372</u>
	FAX	
	E-MAIL	
5.3	PROJECT MANAGER	<u>Don Gindling</u>
	TITLE	<u>Principal Construction Engineer</u>
	STREET	<u>Room 450, City Hall</u>
		<u>801 Plum Street</u>
	CITY/ZIP	<u>Cincinnati, Ohio 45202</u>
	PHONE	<u>(513) 352-1518</u>
	FAX	
	E-MAIL	

Changes in Project Officials must be submitted in writing from the CEO.

6.0 ATTACHMENTS/COMPLETENESS REVIEW:

Confirm in the blocks [] below that each item listed is attached.

- [] A certified copy of the legislation by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 7.0, Applicant Certification, below.
- [X] A certification signed by the applicant's chief financial officer stating all local share funds required for the project will be available on or before the dates listed in the Project Schedule section. If the application involves a request for loan (RLP or SCIP), a certification signed by the CFO which identifies a specific revenue source for repaying the loan also must be attached. Both certifications can be accomplished in the same letter.
- [X] A registered professional engineer's detailed cost estimate and useful life statement, as required in 164-1-13, 164-1-14, and 164-1-16 of the Ohio Administrative Code. Estimates shall contain an engineer's original seal or stamp and signature.
- [] A cooperation agreement (if the project involves more than one subdivision or district) which identifies the fiscal and administrative responsibilities of each participant.
- [] Projects which include new and expansion components and potentially affect productive farmland should include a statement evaluating the potential impact. If there is a potential impact, the Governor's Executive Order 98-VII and the OPWC Farmland Preservation Review Advisory apply.
- [] Capital Improvements Report: (Required by O.R.C. Chapter 164.06 on standard form)
- [X] Supporting Documentation: Materials such as additional project description, photographs, economic impact (temporary and/or full time jobs likely to be created as a result of the project), accident reports, impact on school zones, and other information to assist your district committee in ranking your project. Be sure to include supplements, which may be required by your *local* District Public Works Integrating Committee.

7.0 APPLICANT CERTIFICATION:

The undersigned certifies that: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement on this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding of the project.

Scott Stiles, Assistant City Manager

Certifying Representative (Type or Print Name and Title)

WAC-Stiles 7/14/07

Signature/Date Signed

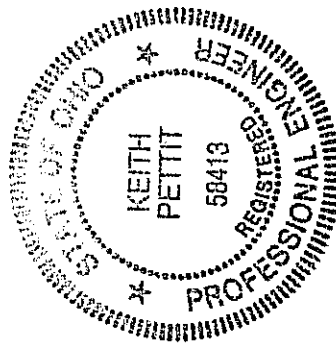
Hamilton Avenue Estimate
Ham 127-7.07
PID - 79089

11,400

PAY ITEM	SPEC	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1	103	Contract Bond	1	LS	\$55,000.00 / LS	\$55,000.00
2	109.51	Contingency Items	1	LS	\$350,000.00 / LS	\$350,000.00
3	201	Clearing and Grubbing	1	LS	\$17,000.00 / LS	\$17,000.00
4	202	Structures Removed	1	LS	\$7,000.00 / LS	\$7,000.00
5	254	Pavement Planing	1,900	SY	\$4.00 / SY	\$7,600.00
6	202	Pavement Removed	150	SY	\$11.00 / SY	\$1,650.00
7	202	Tree Removed	30	EA	\$1,000.00 / EA	\$30,000.00
8	202	Walk Removed	21,100	SF	\$3.00 / SF	\$63,300.00
9	202	Curb Removed	6,800	LF	\$6.00 / LF	\$40,800.00
10	202	Remove Inlet	28	EA	\$350.00 / EA	\$9,800.00
11	202	12" Pipe Fill Seal and Abandon	28	EA	\$100.00 / EA	\$2,800.00
12	203	Embankment	9,500	CY	\$31.00 / CY	\$294,500.00
13	203	Excavation	15,647	CY	\$16.00 / CY	\$250,352.00
14	253	Full Depth Pavement Repair	900	SY	\$115.00 / SY	\$103,500.00
15	203	Subgrade Compaction	1,750	SY	\$1.25 / SY	\$2,187.50
16	304	Aggregate Base	1,500	CY	\$27.00 / CY	\$40,500.00
17	305	8" Concrete Base	9,000	SY	\$85.00 / SY	\$765,000.00
18	448	Asphalt Concrete Surface Course	1,000	CY	\$120.00 / CY	\$120,000.00
19	448	Asphalt Concrete Leveling Course	1,100	CY	\$120.00 / CY	\$132,000.00
20	604	Manhole Adjusted to Grade	22	EA	\$300.00 / EA	\$6,600.00
21	608	5" Concrete Walk	31,600	SF	\$8.00 / SF	\$252,800.00
22	608	Concrete Steps	45	LF	\$70.00 / LF	\$3,150.00
23	608	Handicap Ramps, Type 1 or 2	18	EA	\$150.00 / EA	\$2,700.00
24	609	Type b-1 Concrete Curb	7,000	LF	\$12.00 / LF	\$84,000.00
25	609	Type RW-1 Concrete Curb	72	LF	\$10.00 / LF	\$720.00
26	609	Type W-1 Concrete Curb	50	LF	\$12.00 / LF	\$600.00
27	619	Maintaining Traffic	1	LS	\$65,000.00 / LS	\$65,000.00
28	627	Concrete Drive	2,800	SY	\$7.00 / SY	\$19,600.00
29	603	12" Conduit type H	172	LF	\$85.00 / LF	\$14,620.00
30	604	Reconstruct Inlet	5	EA	\$1,300.00 / EA	\$6,500.00
31	604	Combination Inlet (DGI)	32	EA	\$2,200.00 / EA	\$70,400.00

Hamilton Avenue Estimate
Ham 127-7.07
PID - 79089

PAY ITEM	SPEC	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
32	604	Manhole Type P	4	EA	\$3,200.00 / EA	\$12,800.00
33	605	6" shallow pipe underdrains	7,000	LF	\$8.00 / LF	\$56,000.00
34	653	Topsoil Furnished and Placed	6,667	CY	\$15.00 / CY	\$100,000.00
35	659	Seeding & Mulching	90,000	SF	\$0.20 / SF	\$18,000.00
36	Special	Project Sign	2	EA	\$1,000.00 / EA	\$2,000.00
37	Special	Segmental Retaining Wall	13,800	SF	\$65.00 / SF	\$897,000.00
38	614	Temporary Lane Line	1.40	MI	\$600.00 / MI	\$840.00
39	614	Temporary Stop Line	252	LF	\$1.00 / LF	\$252.00
40	614	Temporary Center Line	0.85	MI	\$600.00 / MI	\$510.00
41	630	Traffic Signals/Lighting	1.00	LS	\$607,700.00 / LS	\$607,700.00
42	644	Lane Line	1.40	MI	\$600.00 / MI	\$840.00
43	644	Edge Line	0.02	MI	\$600.00 / MI	\$12.00
44	644	Channelizing Line	300	LF	\$1.00 / LF	\$300.00
45	644	Transverse Line	100	LF	\$1.00 / LF	\$100.00
46	644	Stop Line	252	LF	\$1.00 / LF	\$252.00
47	614	Lane Line	1.40	MI	\$600.00 / MI	\$840.00
47	644	Lane Arrow	4	EA	\$250.00 / EA	\$1,000.00
48	644	Center Line	0.85	MI	\$2,000.00 / MI	\$1,700.00
49	1101	Furnish and Laying Ductile Iron Pipe	70	LF	\$350.00 / LF	\$24,500.00
50	1115	Furnish and Install Fire Hydrant	7	EA	\$1,700.00 / EA	\$11,900.00
51	1114	Remove Fire Hydrant	7	EA	\$600.00 / EA	\$4,200.00
52	1116	Furnish and Install Valve Boxes Complete	7	EA	\$525.00 / EA	\$3,675.00
53	1115	Furnish and Install Fire Hydrant Extension	7	EA	\$500.00 / EA	\$3,500.00
ESTIMATED TOTAL						\$4,567,600.50

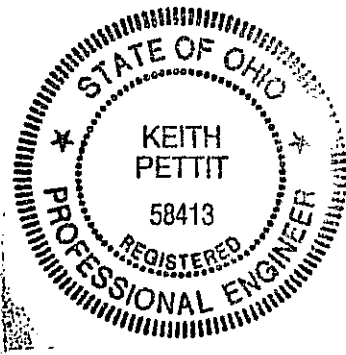


Keith Pettit

September 10, 2007

Subject: Hamilton Avenue Improvements Phase 2 (Ashtree to Windemere)
Certification of Useful Life for OPWC Projects

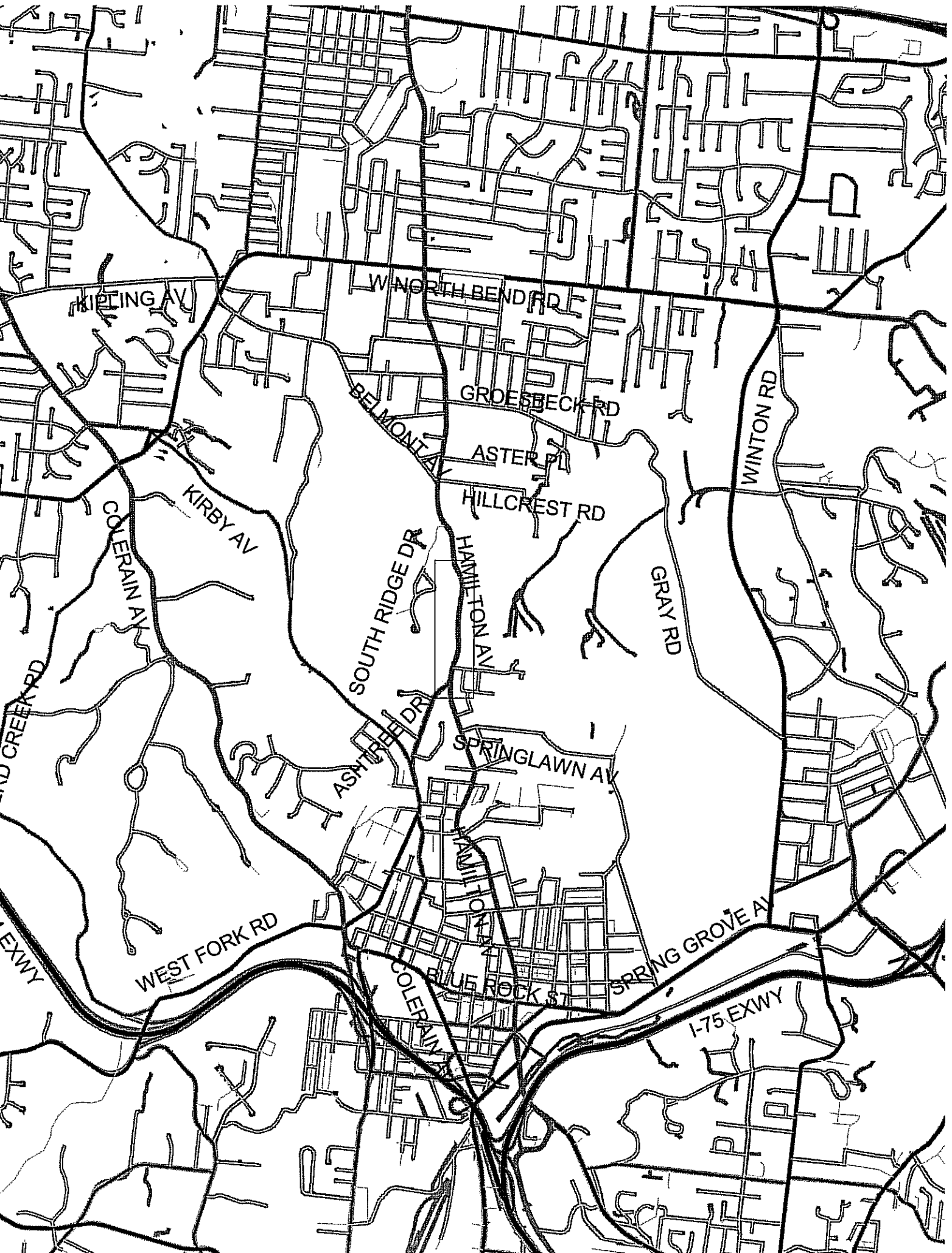
As required by Chapter 164-1-13 of the Ohio Administrative Code, I hereby certify that the design useful life of the subject street reconstruction is at least twenty (20) years.

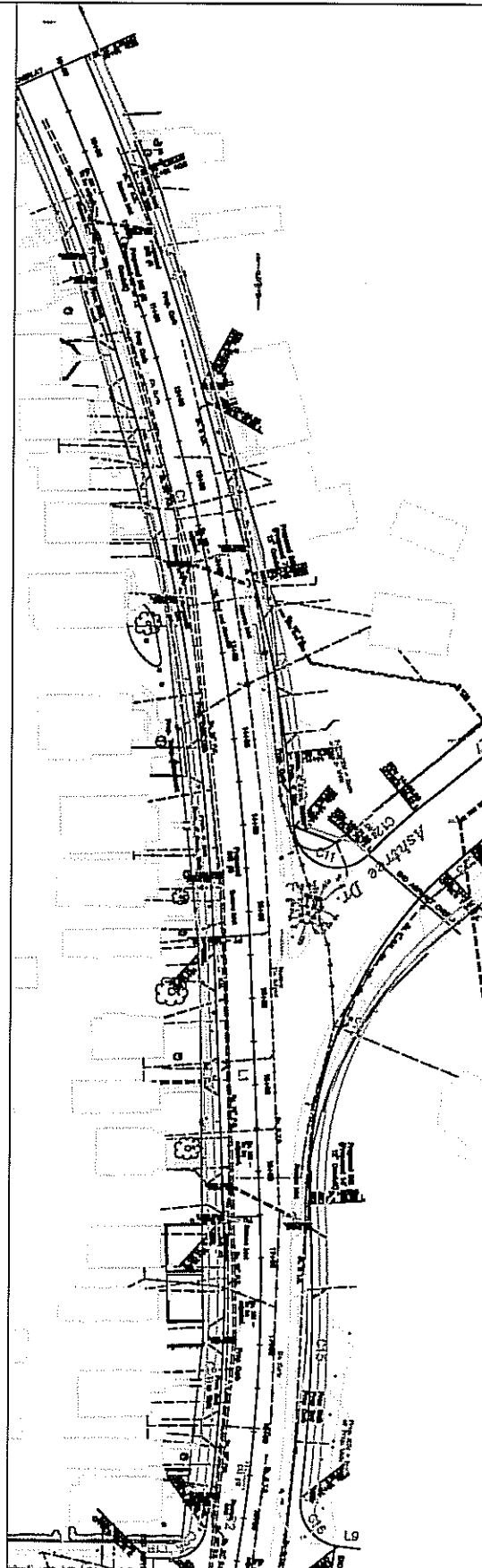
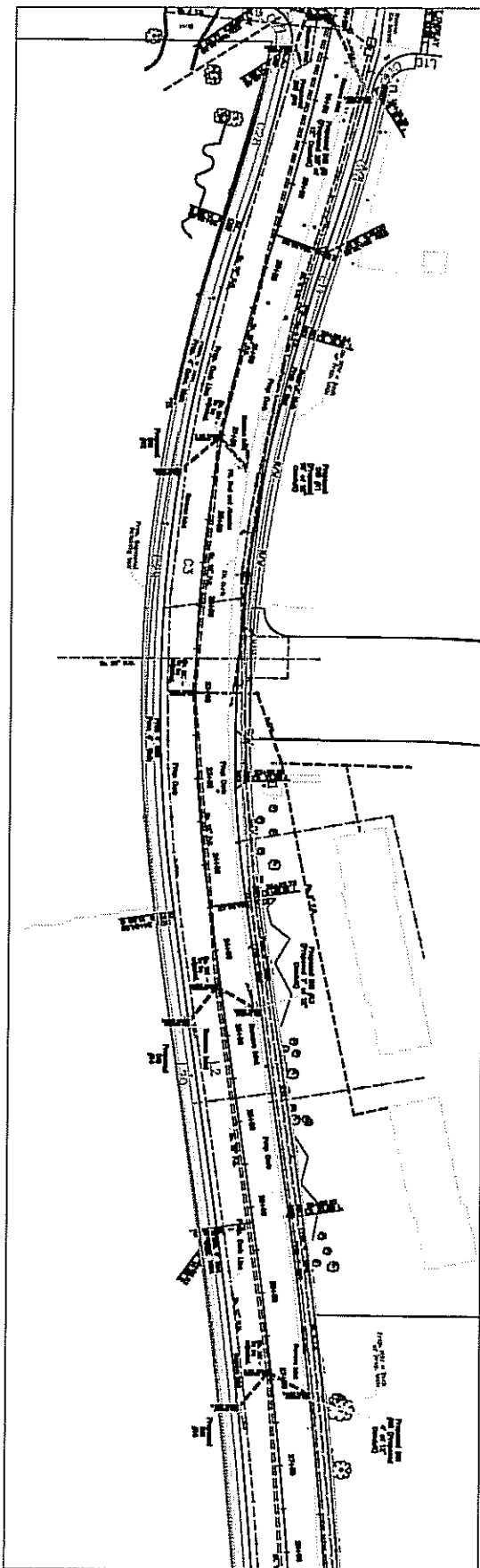


(seal)

A handwritten signature in black ink, appearing to read "Keith E. Pettit", written over a horizontal line.

Keith E. Pettit, P.E.
Supervising Engineer
City of Cincinnati





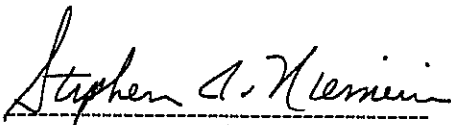
HAMILTON AVENUE
PROPOSED ALIGNMENT
ASHTREE DR. - SOUTHRIDGE DR.

Department of
Transportation
and Engineering
6771 University Avenue, University of Toronto, Toronto, Ontario
M5S 1A5, Canada
Tel.: 416-978-2000
Fax: 416-978-2000
E-mail: engr@utoronto.ca



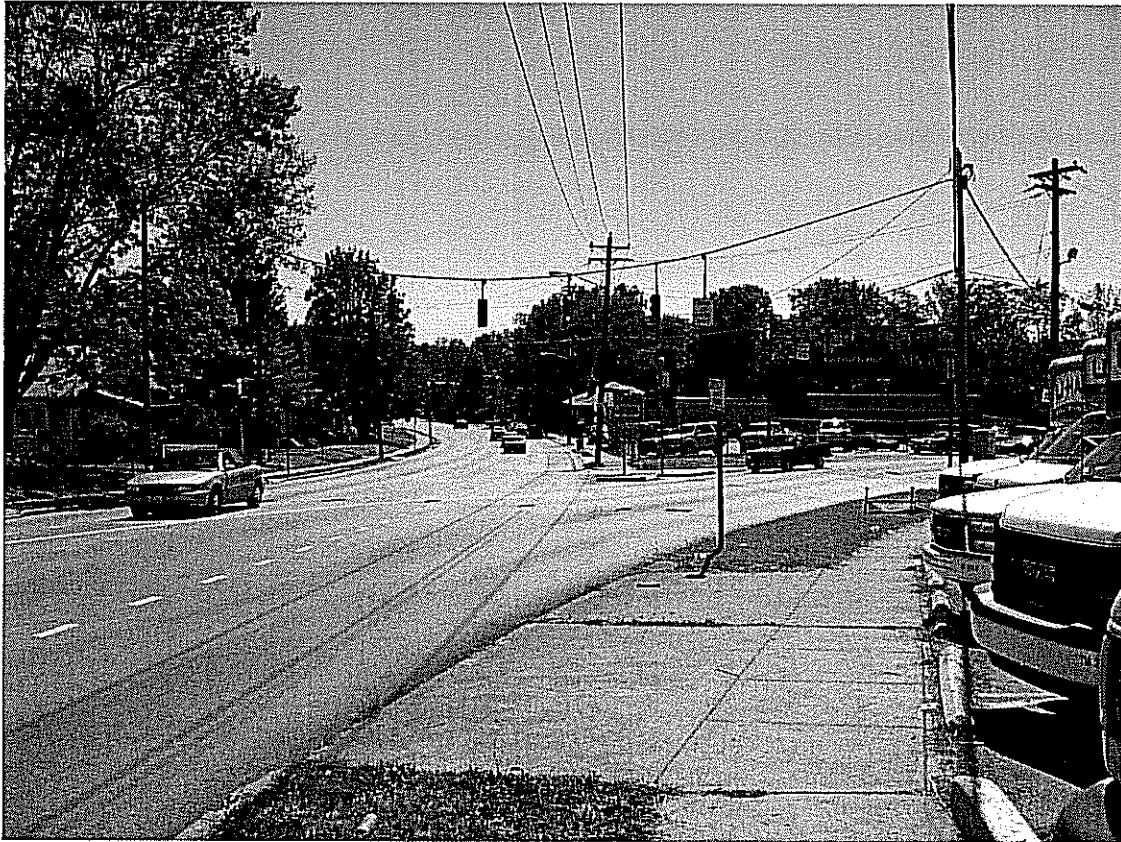
CERTIFICATION OF TRAFFIC COUNT

As required by the District 2 Integrating Committee, I hereby certify that the traffic counts herein attached to the **Hamilton Avenue Improvements Phase 2 (Ashtree to Windemere)** project application are a true and accurate count done by the City of Cincinnati's Traffic Engineering Division.



Stephen I. Niemeier, P.E.
Principal Traffic Engineer





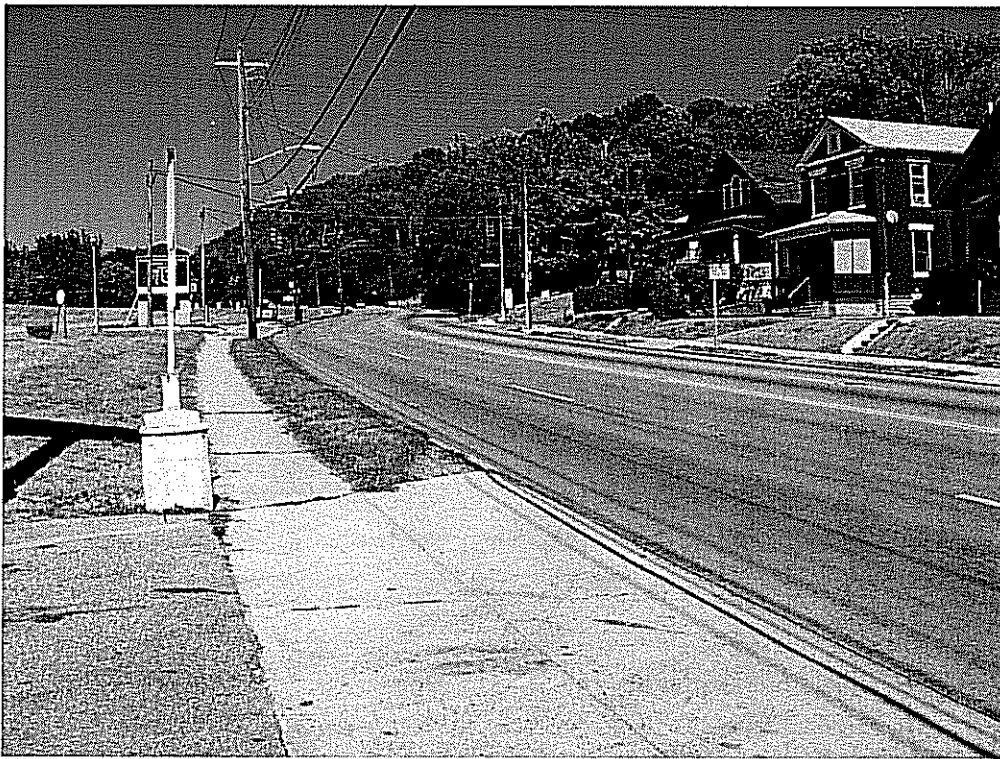
Intersection at Ashtree.





A

Hammond North Condominiums



Looking North on Hamilton by Ashtree Drive

ADDITIONAL SUPPORT INFORMATION{PRIVATE }

Hamilton Avenue Phase 2

For Program Year 2008 (July 1, 2008 through June 30, 2009), jurisdictions shall provide the following support information to help determine which projects will be funded. Information on this form must be accurate, and where called for, based on sound engineering principles. Documentation to substantiate the individual items, as noted, is required. The applicant should also use the rating system and its' addendum as a guide. The examples listed in this addendum are not a complete list, but only a small sampling of situations that may be relevant to a given project.

IF YOU ARE APPLYING FOR A GRANT, WILL YOU BE WILLING TO ACCEPT A LOAN IF ASKED BY THE DISTRICT? _____ YES X NO (ANSWER REQUIRED)

Note: Answering "Yes" will not increase your score and answering "NO" will not decrease your score.

1) What is the physical condition of the existing infrastructure that is to be replaced or repaired?

Give a statement of the nature of the deficient conditions of the present facility exclusive of capacity, serviceability, health and/or safety issues. If known, give the approximate age of the infrastructure to be replaced, repaired, or expanded. Use documentation (if possible) to support your statement. Documentation may include (but is not limited to): ODOT BR86 reports, pavement management condition reports, televised underground system reports, age inventory reports, maintenance records, etc., and will only be considered if included in the original application. Examples of deficiencies include: structural condition; substandard design elements such as widths, grades, curves, sight distances, drainage structures, etc.

Pavement:

Deficiencies: The pavement was ground and paved in 2005 because of extensive pavement failures. The last MicroPaver Condition Survey – utilizing the process specified in ASTM D6433-99 - made prior to the repaving resulted in a 2004 Pavement Condition Index (PCI) of 51, which is classified as "Poor". Base failures are still present and need to be addressed with this improvement project. The grind and pave operation was a short term solution until the construction of the improvement project for which the City is seeking SCIP funding under this application. ?

Solution: The project will replace areas of deficient base full depth not repaired during the 2005 grind and pave project. The entire width of the street will then be ground and paved to provide a stable, smooth, and safe driving surface for motorists for the next 20 years. **Geometric Design:** 3 5'

Deficiencies: Hamilton Avenue consists of two 10 foot lanes and two 9 foot lanes built in a 60 foot right of way. There are currently no left turn lanes so there are numerous sideswipe and rear end type collisions.

Solution: This project will widen the pavement to 42 feet and also provide left turn lanes at the three signalized intersections (widen to 52 feet). Additionally the sod area between the curb and walk will be widened and the walk will be widened to increase safety for pedestrians. 51" ?
2' 10" 10' 10' 10'

2) How important is the project to the safety of the Public and the citizens of the District and/or service area?

Give a statement of the projects effect on the safety of the service area. The design of the project is intended to reduce existing accident rate, promote safer conditions, and reduce the danger of risk, liability or injury. (Typical examples may include the effects of the completed project on accident rates, emergency response time, fire protection, and highway capacity.) Please be specific and provide documentation if necessary to substantiate the data. The applicant must demonstrate the type of problems that exist, the frequency and severity of the problems and the method of correction.

This section of Hamilton is on a hill with a slope around 6% with many horizontal curves. Accidents were investigated for a three and half year period from January 2004 through June 2007. There are a total of 199 accidents within the project limits including 2 fatalities and at least 18 injuries. There are 124 mid-block accidents for an accident rate of 8.1 accidents per million vehicle miles, which is higher than the City average. The existing roadway is 4 lanes (no turn lanes). The proposed project will add turn lanes at all intersections and widen the curb lanes from 10' to 11'. This will

help reduce the number of sideswipe (55), rear end (68), fixed object (57) and head-on (3) accidents. The addition of the turn lane will greatly reduce the number of rear-end and sideswipe accidents and also a slight reduction in the fixed object accidents. A number of those types of accidents are from vehicles trying to stop or maneuver around another vehicle that is stopped waiting to make a turn. The wide curb lane and addition of the center turn lane will also help reduce the sideswipe, fixed object and head-on by giving vehicles more space around the curves. See attached accident data.

3) How important is the project to the health of the Public and the citizens of the District and/or service area?

Give a statement of the projects effect on the health of the service area. The design of the project will improve the overall condition of the facility so as to reduce or eliminate potential for disease, or correct concerns regarding the environmental health of the area. (Typical examples may include the effects of the completed project by improving or adding storm drainage or sanitary facilities, replacing lead jointed water lines, etc.). Please be specific and provide documentation if necessary to substantiate the data. The applicant must demonstrate the type of problems that exist, the frequency and severity of the problems and the method of correction.

The project will have minimal impact on the health of the service area.

4) Does the project help meet the infrastructure repair and replacement needs of the applying jurisdiction?

The jurisdiction must submit a listing in priority order of the projects for which it is applying. Points will be awarded on the basis of most to least importance.

Priority 1 Clifton/West Clifton Avenue

Priority 2 Spring Grove/ Clifton Avenue

Priority 3 Elberon Landslide

Priority 4 Colerain/West Fork/Virginia

Priority 5 Hamilton Avenue Phase 2

5) To what extent will the user fee funded agency be participating in the funding of the project?

(example: rates for water or sewer, frontage assessments, etc.).

Minor casting adjustments and normal catch basin replacements will be included with the roadway construction activity. The user funded project components include about 1% of the total construction costs.

6) Economic Growth – How will the completed project enhance economic growth

Give a statement of the projects effect on the economic growth of the service area (be specific).

The proposed project will enhance commercial development along Hamilton Avenue. With the addition of reconstructed sidewalks this project will promote pedestrian traffic along the corridor, therefore; increasing access to business and fostering new development.

7) Matching Funds - LOCAL

The information regarding local matching funds is to be filed by the applicant in Section 1.2 (b) of the Ohio Public Works Association's "Application For Financial Assistance" form.

8) Matching Funds - OTHER

The information regarding local matching funds is to be filed by the applicant in Section 1.2 (c) of the Ohio Public Works Association's "Application For Financial Assistance" form. If MRF funds are being used for matching funds, the MRF application must have been filed by August 31st of this year for this project with the Hamilton County Engineer's Office. List below all "other" funding the source(s).

80% of project are from OKI's STP FUNDS (\$3,654,000)

9) Will the project alleviate serious capacity problems or respond to the future level of service needs of the district?

Describe how the proposed project will alleviate serious capacity problems (be specific).

The project will eliminate future congestion problems within the project limits. The major intersection within the project limits is the intersection of Hamilton Ave. and Ashtree Dr. The current Level of Service (LOS) of this intersection is 'B'. However, the future LOS needs of project will not be met with the current geometry. The design year LOS drops to 'D' with the existing geometry. With the addition of a left turn lane from Hamilton to Ashtree the project is designed to meet future demand, with a design year LOS improving from 'D' to 'B'. See the attached Synchro outputs for the capacity analysis.

WHAT ABOUT OTHER PARTS OF PROJECT?

For roadway betterment projects, provide the existing and proposed Level of Service (LOS) of the facility using the methodology outlined within AASHTO'S "Geometric Design of Highways and Streets" and the 1985 Highway Capacity Manual.

WHEN WILL DESIGN VOLUME COUNT BEGIN?

Existing LOS B

Proposed LOS B

If the proposed design year LOS is not "C" or better, explain why LOS "C" cannot be achieved.

10) If SCIP/LTIP funds were granted, when would the construction contract be awarded?

If SCIP/LTIP funds are awarded, how soon after receiving the Project Agreement from OPWC (tentatively set for July 1 of the year following the deadline for applications) would the project be under contract? The Support Staff will review status reports of previous projects to help judge the accuracy of a jurisdiction's anticipated project schedule.

Number of months 5

- a.) Are preliminary plans or engineering completed? Yes X No _____ N/A _____
- b.) Are detailed construction plans completed? Yes _____ No X N/A _____
- c.) Are all utility coordination's completed? Yes _____ No X N/A _____
- d.) Are all right-of-way and easements acquired (if applicable)? Yes _____ No _____ N/A X

If no, how many parcels needed for project? 34 Of these, how many are: Takes 0

Temporary 30

Permanent 4

For any parcels not yet acquired, explain the status of the ROW acquisition process for this project.

We are currently getting appraisals for the property needed and negotiations with the property owners will begin in about a month.

e.) Give an estimate of time needed to complete any item above not yet completed. 12 Months.

11) Does the infrastructure have regional impact?

Give a brief statement concerning the regional significance of the infrastructure to be replaced, repaired, or expanded.

Hamilton Avenue is US Route 127 and is classified as an Urban Principal Arterial on the Federal Aid System.
Hamilton Avenue connects Mount Healthy, College Hill, and Northside to Interstates 74 and 75, Ronald
Reagan Cross-County Highway, and the Uptown/University of Cincinnati employment centers. The project should have
major regional impact.

12) What is the overall economic health of the jurisdiction?

The District 2 Integrating Committee predetermines the jurisdiction's economic health. The economic health of a jurisdiction may periodically be adjusted when census and other budgetary data are updated.

13) Has any formal action by a federal, state, or local government agency resulted in a partial or complete ban of the usage or expansion of the usage for the involved infrastructure?

Describe what formal action has been taken which resulted in a ban of the use of or expansion of use for the involved infrastructure? Typical examples include weight limits, truck restrictions, and moratoriums or limitations on issuance of building permits, etc. The ban must have been caused by a structural or operational problem to be considered valid. Submission of a copy of the approved legislation would be helpful.

No

Will the ban be removed after the project is completed? Yes _____ No _____ N/A X

14) What is the total number of existing daily users that will benefit as a result of the proposed project?

For roads and bridges, multiply current Average Daily Traffic (ADT) by 1.20. For inclusion of public transit, submit documentation substantiating the count. Where the facility currently has any restrictions or is partially closed, use documented traffic counts prior to the restriction. For storm sewers, sanitary sewers, water lines, and other related facilities, multiply the number of households in the service area by 4. User information must be documented and certified by a professional engineer or the jurisdictions' C.E.O.

Traffic: ADT 21,420 X 1.20 = 25,740 Users

Water/Sewer: Homes _____ X 4.00 = _____ Users

15) Has the jurisdiction enacted the optional \$5 license plate fee, an infrastructure levy, a user fee, or dedicated tax for the pertinent infrastructure?

The applying jurisdiction shall list what type of fees, levies or taxes they have dedicated toward the type of infrastructure being applied for. (Check all that apply)

Optional \$5.00 License Tax X

Infrastructure Levy X Specify type Dedicated portion of City earnings tax

Facility Users Fee _____ Specify type _____

Dedicated Tax _____ Specify type _____

Other Fee, Levy or Tax _____ Specify type _____

**SCIP/LTIP PROGRAM
ROUND 22 - PROGRAM YEAR 2008
PROJECT SELECTION CRITERIA
JULY 1, 2008 TO JUNE 30, 2009**

NAME OF APPLICANT: CITY OF CINCINNATI
NAME OF PROJECT: HAMILTON AVENUE PHASE 2
RATING TEAM: 4

General Statement for Rating Criteria

Points awarded for all items will be based on engineering experience, field verification, application information and other information supplied by the applying agency, which is deemed to be relevant by the Support Staff. The examples listed in this addendum are not a complete list, but only a small sampling of situations that may be relevant to a given project.

CIRCLE THE APPROPRIATE RATING

What is the physical condition of the existing infrastructure that is to be replaced or repaired?

- 25 - Failed
- 23 - Critical
- 20 - Very Poor
- 17 - Poor
- ☒ 15 - Moderately Poor
- 10 - Moderately Fair
- 5 - Fair Condition
- 0 - Good or Better

SURFACE LOOKS FAIRLY
GOOD, MINOR FULL DEPTH
FEW AREAS OF BASE FAILURE

Appeal Score _____

Criterion 1 - Condition

Condition of the particular infrastructure to be repaired, reconstructed or replaced shall be a measure of the degree of reduction in condition from its original state. Historic pavement management data based on ASTM D6433-99 rating system may be submitted as documentation. Capacity, serviceability, safety and health shall not be considered in this criterion. Any documentation the Applicant wishes to be considered must be included in the application package.

Definitions:

Failed Condition - requires complete reconstruction where no part of the existing facility is salvageable. (E.g. Roads: complete reconstruction of roadway, curbs and base; Bridges: complete removal and replacement of bridge; Underground: removal and replacement of an underground drainage or water system.)

Critical Condition - requires partial reconstruction to maintain integrity. (E.g. Roads: reconstruction of roadway/curbs can be saved; Bridges: removal and replacement of bridge with abutment modification; Underground: removal and replacement of part of an underground drainage or water system.)

Very Poor Condition - requires extensive rehabilitation to maintain integrity. (E.g. Roads: extensive full depth, partial depth and curb repair of a roadway with a structural overlay; Bridges: superstructure replacement; Underground: repair of joints and/or replacement of pipe sections.)

Poor Condition - requires standard rehabilitation to maintain integrity. (E.g. Roads: moderate full depth, partial depth and curb repair to a roadway with no structural overlay needed or structural overlay with minor repairs to a roadway needed; Bridges: extensive patching of substructure and replacement of deck; Underground: insituform or other in ground repairs.)

Moderately Poor Condition - requires minor rehabilitation to maintain integrity. (E.g. Roads: minor full depth, partial depth or curb repairs to a roadway with either a thin overlay or no overlay needed; Bridges: major structural patching and/or major deck repair.)

Moderately Fair Condition - requires extensive maintenance to maintain integrity. (E.g. Roads: thin or no overlay with extensive crack sealing, minor partial depth and/or slurry or rejuvenation; Bridges: minor structural patching, deck repair, erosion control.)

Fair Condition - requires routine maintenance to maintain integrity. (E.g. Roads: slurry seal, rejuvenation or routine crack sealing to the roadway; Bridges: minor structural patching.)

Good or Better Condition - little to no maintenance required to maintain integrity.

Note: If the infrastructure is in "good" or better condition, it will **NOT** be considered for SCIP/LTIP funding unless it is an expansion project that will improve serviceability.

2) How important is the project to the safety of the Public and the citizens of the District and/or service area?

- 25 - Highly significant importance
- 20 - Considerably significant importance
- ☒ 15 - Moderate importance
- 10 - Minimal importance
- 5 - Poorly documented importance
- 0 - No measurable impact

L 075 015
Acc 12 17'

Appeal Score

Criterion 2 – Safety

The applying agency shall include in its application the type frequency, and severity of the safety problem deficiency that currently exists and how the intended project would improve the situation. For example, have there been vehicular accidents attributable to the problems cited? Have they involved injuries or fatalities? In the case of water systems, are existing hydrants non-functional? In the case of water lines, is the present capacity inadequate to provide volumes or pressure for adequate fire protection? In all cases, specific documentation is required. Mentioned problems, which are poorly documented, shall generally will not receive more than 5 points.

Note: Each project is looked at on an individual basis to determine if any aspects of this category apply. Examples given above are NOT intended to be exclusive.

3) How important is the project to the health of the Public and the citizens of the District and/or service area?

- 25 - Highly significant importance
- 20 - Considerably significant importance
- 15 - Moderate importance
- 10 - Minimal importance
- 5 - Poorly documented importance
- ☒ 0 - No measurable impact

Appeal Score

Criterion 3 – Health

The applying agency shall include in its application the type, frequency, and severity of the health problem that would be eliminated or reduced by the intended project. For example, can the problem be eliminated only by the project, or would routine maintenance be satisfactory? If basement flooding has occurred, was it storm water or sanitary flow? What complaints if any are recorded? In the case of underground improvements, how will they improve health if they are storm sewers? How would improved sanitary sewers improve health or reduce health risk? In all cases, quantified documentation is required. Mentioned problems, which are poorly documented, shall generally will not receive more than 5 points.

Note: Each project is looked at on an individual basis to determine if any aspects of this category apply. Examples given above are NOT intended to be exclusive.

4) Does the project help meet the infrastructure repair and replacement needs of the applying agency?

Note: Applying agency's priority listing (part of the Additional Support Information) must be filed with application(s).

- 25 - First priority project
- 20 - Second priority project
- 15 - Third priority project
- 10 - Fourth priority project
- ☒ 5 - Fifth priority project or lower

Appeal Score

Criterion 4 – Jurisdiction's Priority Listing

The applying agency must submit a listing in priority order of the projects for which it is applying. Points will be awarded on the basis of most to least importance. The form is included in the Additional Support Information.

5) To what extent will a user fee funded agency be participating in the funding of the project?

☒ 10 - Less than 10%

9 - 10% to 19.99%

8 - 20% to 29.99%

7 - 30% to 39.99%

6 - 40% to 49.99%

5 - 50% to 59.99%

4 - 60% to 69.99%

3 - 70% to 79.99%

2 - 80% to 89.99%

1 - 90% to 95%

0 - Above 95%

Appeal Score

Criterion 5 - User Fee-funded Agency Participation

To what extent will a user fee funded agency be participating in the funding of the project? (Example: rates for water or sewer, frontage assessments, etc.). The applying agency must submit documentation.

6) Economic Growth - How the completed project will enhance economic growth (See definitions).

10 - The project will directly secure new employment

Appeal Score

5 - The project will permit more development

☒ 0 - The project will not impact development

Criterion 6 - Economic Growth

Will the completed project enhance economic growth and/or development in the service area?

Definitions:

Secure new employment: The project as designed will secure development/employers, which will immediately add new permanent employees to the jurisdiction. The applying agency must submit details.

Permit more development: The project as designed will permit additional business development/employment. The applying agency must supply details.

The project will not impact development: The project will have no impact on business development.

Note: Each project is looked at on an individual basis to determine if any aspects of this category apply.

7) Matching Funds - **LOCAL**

10 - This project is a loan or credit enhancement

10 - 50% or higher

8 - 40% to 49.99%

6 - 30% to 39.99%

4 - 20% to 29.99%

2 - 10% to 19.99%

☒ 0 - Less than 10%

List total percentage of "Local" funds _____ %

Criterion 7 - Matching Funds - Local

The percentage of matching funds which come directly from the budget of the applying agency. Ten points shall be awarded if a loan request is at least 50% of the total project cost. (If the applying agency is not a user fee funded agency, any funds to be provided by a user fee generating agency will be considered "Matching Funds - Other").

8) Matching Funds - **OTHER**

List total percentage of "Other" funds 80 %

- 10 - 50% or higher
- 8 - 40% to 49.99%
- 6 - 30% to 39.99%
- 4 - 20% to 29.99%
- 2 - 10% to 19.99%
- 1 - 1% to 9.99%
- 0 - Less than 1%

List below each funding source and percentage

<u>OKT. S. T. P.</u>	<u>80</u> %
_____	_____ %
_____	_____ %
_____	_____ %
_____	_____ %

Criterion 8 - Matching Funds - Other

The percentage of matching funds that come from funding sources other than those mentioned in Criterion 7. A letter from the outside funding agency stating their financial participation in the project and the amount of funding is required to receive points. For MRF, a copy of the current application form filed with the Hamilton County Engineer's Office meets the requirement.

9) Will the project alleviate serious capacity problems or hazards or respond to the future level of service needs of the district?

- 10 - Project design is for future demand.
- 8 - Project design is for partial future demand.
- 6 - Project design is for current demand.
- 4 - Project design is for minimal increase in capacity.
- 2 - Project design is for no increase in capacity.

Appeal Score

Criterion 9 - Alleviate Capacity Problems

The applying agency shall provide a narrative, along with pertinent support documentation, which describe the existing deficiencies and showing how congestion will be reduced or eliminated and how service will be improved to meet the needs of any expected growth or development. A formal capacity analysis accompanying the application would be beneficial. Projected traffic or demand should be calculated as follows:

Formula:

Existing users x design year factor = projected users

Design Year	Design year factor		
	Urban	Suburban	Rural
20	1.40	1.70	1.60
10	1.20	1.35	1.30

LOS STUDY ONLY FOR INTERSECTION
 ~ 10% OF PROJECT LENGTH.
 NO ADDITIONAL JUSTIFICATION DUE
 TO AREA BEING DEVELOPED OUT.

Definitions:

Future demand - Project will eliminate existing congestion or deficiencies and will provide sufficient capacity or service for twenty-year projected demand or fully developed area conditions. Justification must be supplied if the area is already largely developed or undevelopable and thus the projection factors used deviate from the above table.

Partial future demand - Project will eliminate existing congestion or deficiencies and will provide sufficient capacity or service for ten-year projected demand or partially developed area conditions. Justification must be supplied if the area is already largely developed or undevelopable and thus the projection factors used deviate from the above table.

Current demand - Project will eliminate existing congestion or deficiencies and will provide sufficient capacity or service only for existing demand and conditions.

Minimal increase - Project will reduce but not eliminate existing congestion or deficiencies and will provide a minimal but less than sufficient increase in existing capacity or service for existing demand and conditions.

No increase - Project will have no effect on existing congestion or deficiencies and provide no increase in capacity or service for existing demand and conditions.

- 10) Readiness to Proceed - If SCIP/LTIP funds are granted, when would the construction contract be awarded?
- 5 - Will be under contract by December 31, 2008 and no delinquent projects in Rounds 19 & 20
 - 3 - Will be under contract by March 31, 2009 and/or one delinquent project in Rounds 19 & 20
 - 0 - Will not be under contract by March 31, 2009 and/or more than one delinquent project in Rounds 19 & 20

Criterion 10 – Readiness to Proceed

The Support Staff will assign points based on engineering experience and status of design plans. A project is considered delinquent when it has not received a notice to proceed within the time stated on the original application and no time extension has been granted by the OPWC. An applying agency receiving approval for a project and subsequently canceling the same after the bid date on the application will receive zero (0) points under this round and the following round.

- 11) Does the infrastructure have regional impact? Consider origination and destination of traffic, functional classifications, size of service area, and number of jurisdictions served, etc.

10 – Major Impact

→ 8 – Significant Impact

6 – Moderate Impact

4 – Minor Impact

2 – Minimal or No Impact

Appeal Score

Criterion 11 - Regional Impact

The regional significance of the infrastructure that is being repaired or replaced.

Definitions:

Major Impact – Roads: Major Arterial: A direct connector to an Interstate Highway; Arterials are intended to provide a greater degree of mobility rather than land access. Arterials generally convey large traffic volumes for distances greater than one mile. A major arterial is a highway that is of regional importance and is intended to serve beyond the county. It may connect urban centers with one another and/or with outlying communities and employment or shopping centers. A major arterial is intended primarily to serve through traffic.

Significant Impact – Roads: Minor Arterial: A roadway, also serving through traffic, that is similar in function to a major arterial, but operates with lower traffic volumes, serves trips of shorter distances (but still greater than one mile), and may provide a higher degree of property access than do major arterials.

Moderate Impact – Roads: Major Collector: A roadway that provides for traffic movement between local roads/streets and arterials or community-wide activity centers and carries moderate traffic volumes over moderate distances (generally less than one mile). Major collectors may also provide direct access to abutting properties, such as regional shopping centers, large industrial parks, major subdivisions and community-wide recreational facilities, but typically not individual residences. Most major collectors are also county roads and are therefore through streets.

Minor Impact – Roads: Minor Collector: A roadway similar in functions to a major collector but which carries lower traffic volumes over shorter distances and has a higher degree of property access. Minor collectors may serve as main circulation streets within large, residential neighborhoods. Most minor collectors are also township roads and streets and may, or may not, be through streets.

Minimal or No Impact – Roads: Local: A roadway that is primarily intended to provide access to abutting properties. It tends to accommodate lower traffic volumes, serves short trips (generally within neighborhoods), and provides connections preferably only to collector streets rather than arterials.

12) What is the overall economic health of the jurisdiction?

10 Points

8 Points

6 Points

4 Points

2 Points

Criterion 12 – Economic Health

The District 2 Integrating Committee predetermines the applying agency's economic health. The economic health of a jurisdiction may periodically be adjusted when census and other budgetary data are updated.

13) Has any formal action by a federal, state, or local government agency resulted in a partial or complete ban of the usage or expansion of the usage for the involved infrastructure?

10 - Complete ban, facility closed

Appeal Score

8 – 80% reduction in legal load or 4-wheeled vehicles only

7 – Moratorium on future development, *not* functioning for current demand

6 – 60% reduction in legal load

5 - Moratorium on future development, functioning for current demand

4 – 40% reduction in legal load

2 – 20% reduction in legal load

0 - Less than 20% reduction in legal load

Criterion 13 - Ban

The applying agency shall provide documentation to show that a facility ban or moratorium has been formally placed. The ban or moratorium must have been caused by a structural or operational problem. Points will only be awarded if the end result of the project will cause the ban to be lifted.

4) What is the total number of existing daily users that will benefit as a result of the proposed project?

10 - ~~16,000~~ 30,000 or more

Appeal Score

8 - ~~12,000~~ 21,000 to 29,999 ~~15,999~~

6 - ~~8,000~~ 12,000 to 20,999 ~~11,999~~

4 - ~~4,000~~ 3,000 to 11,999 ~~7,999~~

2 - ~~3,999~~ 2,999 and under

Criterion 14 - Users

The applying agency shall provide documentation. A registered professional engineer or the applying agency's C.E.O must certify the appropriate documentation. Documentation may include current traffic counts, households served, when converted to a measurement of persons. Public transit users are permitted to be counted for the roads and bridges, but only when certifiable ridership figures are provided.

5) Has the applying agency enacted the optional \$5 license plate fee, an infrastructure levy, a user fee, or dedicated tax for the pertinent infrastructure? (*Provide documentation of which fees have been enacted.*)

5 - Two or more of the above

Appeal Score

3 - One of the above

0 - None of the above

Criterion 15 – Fees, Levies, Etc.

The applying agency shall document (in the "Additional Support Information" form) which type of fees, levies or taxes they have dedicated toward the type of infrastructure being applied for.

Hamilton Ave MidBlock

ACCIDENT NO	Street	Address	Event Description	DATE OH1	INJURIES	FATALITIES	Location ID	Road Condition	Weather
1 5043573	HAMILTON AV	4753	Sideswipe Passing	13-Oct-04	No Injury		0 2998863587929989885186	Wet	Rain
2 5042991	HAMILTON AV	4756	Sideswipe Passing	26-Aug-04			0 2998863587929989885186		
3 5041318	HAMILTON AV	4776	Sideswipe Passing	15-Apr-04			0 299886358792998989096216		
4 5052109	HAMILTON AV	4776	Sideswipe Passing	04-Jul-05			0 299886358792998989096216	Dry	Clear
5 5063819	HAMILTON AV	4780	Sideswipe Passing	20-Nov-06			0 299886358792998989096216	Dry	Clear
6 5052352	HAMILTON AV	4781	Sideswipe Passing	22-Jul-05	Unknown		0 299886358792998989096216	Dry	Clear
7 5072081	HAMILTON AV	4781	Sideswipe Passing	27-Jun-07	Possible		0 299886358792998989096216	Wet	Cloudy
8 5061321	HAMILTON AV	4800	Sideswipe Passing	20-Apr-06	No Injury		300877592342998989096216	Dry	Clear
9 5042944	HAMILTON AV	4801	Sideswipe Passing	23-Aug-04			0 300877592342998989096216		
10 5061570	HAMILTON AV	4801	Sideswipe Passing	11-May-06	Unknown		0 300877592342998989096216	Wet	Rain
11 5063879	HAMILTON AV	4831	Sideswipe Passing	29-Nov-06	No Injury		0 300877592342998989096216	Dry	Clear
12 5043178	HAMILTON AV	4845	Sideswipe Passing	14-Sep-04	No Injury		0 300877592342998989096216	Dry	
13 5070321	HAMILTON AV	4850	Sideswipe Passing	30-Jan-07	Unknown		0 300877592342998989096216	Dry	Clear
14 5051466	HAMILTON AV	4900	Sideswipe Passing	06-May-05	No Injury		0 300877592342998989096216	Dry	Clear
15 5060242	HAMILTON AV	4900	Sideswipe Passing	20-Jan-06	No Injury		0 300877592342998989096216	Dry	Cloudy
16 5040985	HAMILTON AV	4901	Sideswipe Passing	23-Mar-04			0 300877592342998989096216		
17 5041734	HAMILTON AV	4901	Sideswipe Passing	14-May-04			0 300877592342998989096216		
18 5063816	HAMILTON AV	4901	Sideswipe Passing	20-Nov-06			0 300877592342998989096216	Dry	Cloudy
19 5051112	HAMILTON AV	5000	Sideswipe Passing	05-Apr-05	No Injury		0 3008605022830087759234	Dry	Clear
20 5050184	HAMILTON AV	5101	Sideswipe Passing	18-Jan-05	No Injury		0 300877592342998989096216	Dry	Clear
21 5063308	HAMILTON AV	5250	Sideswipe Passing	17-Oct-06	No Injury		0 300877592342998989096216	Wet	Rain
22 5040353	HAMILTON AV	5301	Sideswipe Passing	29-Jan-04			0 300877592342998989096216		
23 5050513	HAMILTON AV	5301	Sideswipe Passing	09-Feb-05	Possible		0 300877592342998989096216	Dry	Rain
24 5062505	HAMILTON AV	5301	Sideswipe Passing	10-Aug-06	No Injury		0 300877592342998989096216	Wet	Rain
25 5063734	HAMILTON AV	5301	Sideswipe Passing	16-Nov-06	No Injury		0 300877592342998989096216	Wet	Cloudy
26 5051037	HAMILTON AV	5343	Sideswipe Passing	28-Mar-05	No Injury		0 300877592342998989096216	Wet	Cloudy
27 5063174	HAMILTON AV	5343	Sideswipe Passing	06-Oct-06	No Injury		0 300877592342998989096216	Dry	Clear
28 5064147	HAMILTON AV	5343	Sideswipe Passing	18-Dec-06	No Injury		0 300877592342998989096216	Wet	Rain
29 5071186	HAMILTON AV	5343	Sideswipe Passing	11-Apr-07	No Injury		0 300877592342998989096216	Wet	Rain
30 5040979	HAMILTON AV	5350	Sideswipe Passing	22-Mar-04			0 300877592342998989096216		
31 5063851	HAMILTON AV	5358	Sideswipe Passing	25-Nov-06			0 300877592342998989096216	Dry	Clear
32 5060512	HAMILTON AV	5367	Sideswipe Passing	10-Feb-06	No Injury		0 300877592342998989096216	Dry	Clear
33 5040130	HAMILTON AV	5401	Sideswipe Passing	12-Jan-04			0 3008605022830087759234		
34 5050105	HAMILTON AV	5401	Sideswipe Passing	11-Jan-05	No Injury		0 3008605022830087759234	Wet	Rain
35 5063960	HAMILTON AV	4800	Sideswipe Meeting	05-Dec-06	Unknown		0 300877592342998989096216	Dry	Clear
36 5052849	HAMILTON AV	4831	Sideswipe Meeting	16-Sep-05	Unknown		0 300877592342998989096216	Wet	Clear
37 5053665	HAMILTON AV	5323	Sideswipe Meeting	23-Nov-05			0 300877592342998989096216	Wet	Snow
38 5063535	HAMILTON AV	5349	Sideswipe Meeting	31-Oct-06	No Injury		0 300877592342998989096216	Wet	Rain
39 5051444	HAMILTON AV	4781	Rear-End	05-May-05	No Injury		0 299886358792998989096216	Dry	Clear

Hamilton Ave MidBlock

ACCIDENT NO	Street	Address	Event Description	DATE OH1	INJURIES	FATALITIES	Location ID	Road Condition	Weather
40 5072058	HAMILTON AV	4785	Rear-End	27-Jun-07	No Injury	0	2998863587929989096216	Wet	Cloudy
41 5042907	HAMILTON AV	4791	Rear-End	20-Aug-04		0	2998863587929989096216		
42 5063310	HAMILTON AV	4807	Rear-End	17-Oct-06	No Injury	0	3008775923429989096216	Wet	Rain
43 5042892	HAMILTON AV	4809	Rear-End	20-Aug-04	No Injury	0	3008775923429989096216	Wet	
44 5044410	HAMILTON AV	4833	Rear-End	06-Dec-04	No Injury	0	3008775923429989096216	Wet	Cloudy
45 5051212	HAMILTON AV	4834	Rear-End	14-Apr-05	No Injury	0	3008775923429989096216	Dry	Clear
46 5043175	HAMILTON AV	4837	Rear-End	14-Sep-04	No Injury	0	3008775923429989096216	Wet	Clear
47 5052961	HAMILTON AV	4845	Rear-End	26-Sep-05		0	3008775923429989096216	Wet	Rain
48 5044591	HAMILTON AV	4860	Rear-End	21-Dec-04	Possible	0	3008775923429989096216	Dry	Clear
49 5041901	HAMILTON AV	4900	Rear-End	25-May-04		0	3008775923429989096216		
50 5042238	HAMILTON AV	4900	Rear-End	15-Jun-04		0	3008775923429989096216		
51 5051294	HAMILTON AV	4900	Rear-End	21-Apr-05	No Injury	0	3008775923429989096216	Dry	Cloudy
52 5061828	HAMILTON AV	4900	Rear-End	01-Jun-06		0	3008775923429989096216	Wet	Cloudy
53 5062787	HAMILTON AV	4921	Rear-End	06-Sep-06	No Injury	0	3008775923429989096216	Dry	Clear
54 5053962	HAMILTON AV	4999	Rear-End	17-Dec-05		0	3008775923429989096216	Ice	Cloudy
55 5063104	HAMILTON AV	5230	Rear-End	02-Oct-06		0	3008775923429989096216	Dry	Clear
56 5051350	HAMILTON AV	5299	Rear-End	25-Apr-05		0	3008775923429989096216	Dry	Clear
57 5044402	HAMILTON AV	5315	Rear-End	06-Dec-04	No Injury	0	3008775923429989096216	Wet	Rain
58 5071454	HAMILTON AV	5343	Rear-End	05-May-07		0	3008775923429989096216	Wet	Rain
59 5041550	HAMILTON AV	5350	Rear-End	01-May-04		0	3008775923429989096216		
60 5053238	HAMILTON AV	5350	Rear-End	20-Oct-05	No Injury	0	3008775923429989096216	Wet	Rain
61 5051086	HAMILTON AV	5368	Rear-End	02-Apr-05	No Injury	0	3008775923429989096216	Wet	Rain
62 5050778	HAMILTON AV	5401	Rear-End	05-Mar-05	No Injury	0	3008605022830087759234	Wet	Cloudy
63 5050305	HAMILTON AV	5424	Rear-End	25-Jan-05	No Injury	0	3008605022830087759234	Dry	Clear
64 5063512	HAMILTON AV	5343	Other Object	31-Oct-06	Non-Incapacitating		3008775923429989096216	Wet	Rain
65 5063707	HAMILTON AV	5301	Head-On	15-Nov-06	No Injury	0	3008775923429989096216	Wet	Rain
66 5043011	HAMILTON AV	5339	Head-On	28-Aug-04	Incapacitating		3008775923429989096216		
67 5043869	HAMILTON AV	5342	Head-On	01-Nov-04	Possible		3008775923429989096216	Wet	Rain
68 5070404	HAMILTON AV	4771	Fixed Object	06-Feb-07	No Injury	0	2998863587929989096216	Snow	Snow
69 5070913	HAMILTON AV	4800	Fixed Object	17-Mar-07		0	3008775923429989096216	Ice	Clear
70 5042491	HAMILTON AV	4801	Fixed Object	09-Jul-04	Non-Incapacitating		3008775923429989096216		
71 5061146	HAMILTON AV	4833	Fixed Object	07-Apr-06	Unknown		3008775923429989096216	Wet	Rain
72 5064232	HAMILTON AV	4833	Fixed Object	25-Dec-06		0	3008775923429989096216	Wet	Rain
73 5042891	HAMILTON AV	4900	Fixed Object	20-Aug-04	No Injury	0	3008775923429989096216		
74 5064118	HAMILTON AV	4900	Fixed Object	15-Dec-06	No Injury	0	3008775923429989096216	Dry	Cloudy
75 5050191	HAMILTON AV	4901	Fixed Object	19-Jan-05	Possible	0	3008775923429989096216	Wet	Cloudy
76 5060220	HAMILTON AV	4925	Fixed Object	18-Jan-06	No Injury	0	3008775923429989096216	Wet	Cloudy
77 5061027	HAMILTON AV	5000	Fixed Object	25-Mar-06	Possible		3008775923429989096216	Wet	Clear
78 5063359	HAMILTON AV	5149	Fixed Object	21-Oct-06	Unknown	0	3008775923429989096216	Dry	Clear

Hamilton Ave MidBlock

ACCIDENT NO	Street	Address	Event Description	DATE OF 1	INJURIES	FATALITIES	Location ID	Road Condition	Weather
79 5040449	HAMILTON AV	5193	Fixed Object	05-Feb-04	Possible	0	3008775923429989096216		
80 5063682	HAMILTON AV	5200	Fixed Object	12-Nov-06		0	3008775923429989096216	Dry	Clear
81 5041549	HAMILTON AV	5250	Fixed Object	01-May-04	No Injury	0	3008775923429989096216		
82 5040309	HAMILTON AV	5251	Fixed Object	26-Jan-04	Unknown	0	3008775923429989096216		
83 5044382	HAMILTON AV	5251	Fixed Object	05-Dec-04		0	3008775923429989096216	Dry	Clear
84 5053104	HAMILTON AV	5280	Fixed Object	09-Oct-05		0	3008775923429989096216	Dry	Clear
85 5063466	HAMILTON AV	5290	Fixed Object	28-Oct-06	Possible	0	3008775923429989096216	Wet	Rain
86 5040092	HAMILTON AV	5301	Fixed Object	08-Jan-04		0	3008775923429989096216		
87 5041468	HAMILTON AV	5301	Fixed Object	25-Apr-04		0	3008775923429989096216		
88 5041793	HAMILTON AV	5301	Fixed Object	17-May-04	No Injury	0	3008775923429989096216		
89 5041919	HAMILTON AV	5301	Fixed Object	26-May-04	No Injury	0	3008775923429989096216		
90 5043408	HAMILTON AV	5301	Fixed Object	01-Oct-04		0	3008775923429989096216	Dry	Clear
91 5043565	HAMILTON AV	5301	Fixed Object	12-Oct-04	No Injury	0	3008775923429989096216	Wet	Rain
92 5043605	HAMILTON AV	5301	Fixed Object	14-Oct-04	Possible	0	3008775923429989096216	Wet	Rain
93 5050450	HAMILTON AV	5301	Fixed Object	04-Feb-05	Unknown	0	3008775923429989096216	Wet	Clear
94 5060562	HAMILTON AV	5301	Fixed Object	14-Feb-06	Possible	0	3008775923429989096216	Wet	Clear
95 5061114	HAMILTON AV	5301	Fixed Object	03-Apr-06			3008775923429989096216	Wet	Rain
96 5062517	HAMILTON AV	5301	Fixed Object	10-Aug-06	Possible	0	3008775923429989096216	Wet	Rain
97 5063105	HAMILTON AV	5301	Fixed Object	02-Oct-06		0	3008775923429989096216	Dry	Clear
98 5064246	HAMILTON AV	5301	Fixed Object	26-Dec-06		1	3008775923429989096216	Wet	Rain
99 5064288	HAMILTON AV	5301	Fixed Object	31-Dec-06	No Injury	0	3008775923429989096216	Wet	Rain
100 5040361	HAMILTON AV	5308	Fixed Object	30-Jan-04		0	3008775923429989096216		
101 5062911	HAMILTON AV	5323	Fixed Object	18-Sep-06	No Injury	0	3008775923429989096216	Wet	Rain
102 5041933	HAMILTON AV	5349	Fixed Object	27-May-04		0	3008775923429989096216		
103 5062687	HAMILTON AV	5350	Fixed Object	27-Aug-06	No Injury	0	3008775923429989096216	Wet	Cloudy
104 5062811	HAMILTON AV	5350	Fixed Object	09-Sep-06	No Injury	0	3008775923429989096216	Dry	Clear
105 5071439	HAMILTON AV	5358	Fixed Object	04-May-07	No Injury	0	3008775923429989096216	Wet	Cloudy
106 5051515	HAMILTON AV	5367	Fixed Object	11-May-05	No Injury	0	3008775923429989096216	Dry	Clear
107 5062367	HAMILTON AV	5367	Fixed Object	27-Jul-06	Non-Incapacitating		3008775923429989096216	Wet	Rain
108 5062504	HAMILTON AV	5367	Fixed Object	10-Aug-06	No Injury	0	3008775923429989096216	Wet	Cloudy
109 5064177	HAMILTON AV	5367	Fixed Object	21-Dec-06	Non-Incapacitating		3008775923429989096216	Wet	Rain
110 5043207	HAMILTON AV	5368	Fixed Object	17-Sep-04	No Injury	0	3008775923429989096216	Wet	Rain
111 5053974	HAMILTON AV	5368	Fixed Object	18-Dec-05		0	3008775923429989096216	Wet	Clear
112 5063171	HAMILTON AV	5368	Fixed Object	05-Oct-06	No Injury	0	3008775923429989096216	Wet	Rain
113 5062070	HAMILTON AV	5369	Fixed Object	27-Jun-06	No Injury	0	3008775923429989096216	Wet	Rain
114 5063530	HAMILTON AV	5369	Fixed Object	31-Oct-06	No Injury	0	3008775923429989096216	Wet	Rain
115 5063670	HAMILTON AV	5369	Fixed Object	11-Nov-06		0	3008775923429989096216	Wet	Cloudy
116 5050155	HAMILTON AV	5424	Fixed Object	15-Jan-05	Non-Incapacitating	0	3008605022830087759234	Dry	Clear
117 5051631	HAMILTON AV	4781	Backing	15-May-05	No Injury	0	2998863587929989096216	Unknown	Unknown

Hamilton Ave MidBlock

ACCIDENT NO	Street	Address	Event Description	DATE OF HIT	INJURIES	FATALITIES	Location ID	Road Condition	Weather
118 5043147	HAMILTON AV	4820	Animal	10-Sep-04		0	3008775923429989096216		
119 5053515	HAMILTON AV	4900	Animal	12-Nov-05		0	3008775923429989096216	Dry	Clear
120 5050628	HAMILTON AV	5100	Animal	20-Feb-05	No Injury	0	3008775923429989096216	Dry	Clear
121 5063563	HAMILTON AV	5364	Animal	01-Nov-06	No Injury	0	3008775923429989096216	Dry	Clear
122 5043604	HAMILTON AV	4900	Angle	13-Oct-04	No Injury	0	3008775923429989096216	Wet	Rain
123 5063413	HAMILTON AV	5301	Angle	26-Oct-06	No Injury	0	3008775923429989096216	Wet	Rain
124 5064241	HAMILTON AV	5358	Angle	25-Dec-06		0	3008775923429989096216	Wet	Rain

Rate: 8.1 Accidents per Million Vehicle Miles

Volume: 21490

Hamilton & Ashtree

ACCIDENT NO	Location One	Location Two	Event Description	Location ID	DATE OF INCIDENT	INJURIES	FATALITIES
1 5053849	ASHTREE DR	HAMILTON AV	Angle	29988635879	09-Dec-05	No Injury	0
2 5041025	ASHTREE DR	HAMILTON AV	Angle	29988635879	26-Mar-04	No Injury	0
3 5062725	ASHTREE DR	HAMILTON AV	Angle	29988635879	30-Aug-06	No Injury	0
4 5071270	ASHTREE DR	HAMILTON AV	Angle	29988635879	19-Apr-07	No Injury	0
5 5063407	ASHTREE DR	HAMILTON AV	Fixed Object	29988635879	26-Oct-06	No Injury	0
6 5063577	ASHTREE DR	HAMILTON AV	Fixed Object	29988635879	03-Nov-06	Possible	0
7 5063354	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	20-Oct-06	No Injury	0
8 5043788	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	26-Oct-04	No Injury	0
9 5044189	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	22-Nov-04	Unknown	0
10 5053199	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	18-Oct-05	No Injury	0
11 5060454	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	06-Feb-06	Possible	0
12 5061019	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	24-Mar-06	No Injury	0
13 5061388	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	25-Apr-06	Possible	0
14 5063626	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	07-Nov-06	No Injury	0
15 5063739	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	16-Nov-06	No Injury	0
16 5070053	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	07-Jan-07	No Injury	0
17 5070996	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	15-Mar-07	No Injury	0
18 5062336	ASHTREE DR	HAMILTON AV	Rear-End	29988635879	22-Jul-06	No Injury	0
19 5070962	ASHTREE DR	HAMILTON AV	Sideswipe Meeting	29988635879	22-Mar-07	No Injury	0
20 5071175	ASHTREE DR	HAMILTON AV	Sideswipe Meeting	29988635879	11-Apr-07	Unknown	0
21 5050728	ASHTREE DR	HAMILTON AV	Sideswipe Passing	29988635879	01-Mar-05	No Injury	0
22 5050853	ASHTREE DR	HAMILTON AV	Sideswipe Passing	29988635879	12-Mar-05	No Injury	0
23 5070444	ASHTREE DR	HAMILTON AV	Sideswipe Passing	29988635879	08-Feb-07	No Injury	0

Rate: 0.8 Accidents per Million entering vehicles

Volume: 22456

Hamilton & Rockford

ACCIDENT NO	Location One	Location Two	Event Description	Location ID	DATE OF HIT	INJURIES	FATALITIES
1 5071921	HAMILTON AV	ROCKFORD	Angle	29989096216	15-Jun-07	Possible	0
2 5070432	HAMILTON AV	ROCKFORD	Rear-End	29989096216	08-Feb-07		0
3 5051098	HAMILTON AV	ROCKFORD	Rear-End	29989096216	04-Apr-05	No Injury	0
4 5050304	HAMILTON AV	ROCKFORD	Rear-End	29989096216	25-Jan-05	No Injury	0
5 5043631	HAMILTON AV	ROCKFORD	Rear-End	29989096216	15-Oct-04	No Injury	0
6 5042906	HAMILTON AV	ROCKFORD	Rear-End	29989096216	20-Aug-04	No Injury	0

Rate: 0.3 Accidents per Million entering vehicles Volume: 18455

Hamilton & Southridge

ACCIDENT NO	Street	Address	Event Description	DATE OH1	INJURIES	FATALITIES	Location ID	Road Condition	Weather
1 5043013	HAMILTON AV	5400	Angle	28-Aug-04	No Injury	0	3008605022830087759234		
2 5062356	HAMILTON AV	5400	Angle	25-Jul-06	Possible	0	3008605022830087759234	Dry	Clear
3 5060768	HAMILTON AV	5400	Fixed Object	04-Mar-06			3008605022830087759234	Dry	Clear
4 5062603	HAMILTON AV	5400	Fixed Object	18-Aug-06	Possible	0	3008605022830087759234	Wet	Rain
5 5071887	HAMILTON AV	5400	Fixed Object	12-Jun-07	No Injury	0	3008605022830087759234	Dry	Clear
6 5041017	HAMILTON AV	5400	Rear-End	14-Mar-04	No Injury	0	3008605022830087759234		
7 5042896	HAMILTON AV	5400	Rear-End	20-Aug-04		0	3008605022830087759234		
8 5043285	HAMILTON AV	5400	Rear-End	20-Sep-04	Unknown	0	3008605022830087759234		Clear
9 5043994	HAMILTON AV	5400	Rear-End	08-Nov-04	No Injury	0	3008605022830087759234	Dry	Clear
10 5050487	HAMILTON AV	5400	Rear-End	07-Feb-05	No Injury	0	3008605022830087759234	Wet	Rain
11 5050581	HAMILTON AV	5400	Rear-End	15-Feb-05	No Injury	0	3008605022830087759234	Dry	Clear
12 5041725	HAMILTON AV	5400	Sideswipe Meeting	14-May-04		0	3008605022830087759234		
13 5042206	HAMILTON AV	5400	Sideswipe Meeting	15-Jun-04	No Injury	0	3008605022830087759234		
14 5040414	HAMILTON AV	5400	Sideswipe Passing	02-Feb-04		0	3008605022830087759234		
15 5040851	HAMILTON AV	5400	Sideswipe Passing	09-Mar-04		0	3008605022830087759234		
16 5051412	HAMILTON AV	5400	Sideswipe Passing	30-Apr-05		0	3008605022830087759234	Dry	Clear
17 5062361	HAMILTON AV	5400	Sideswipe Passing	25-Jul-06	No Injury	0	3008605022830087759234	Dry	Clear
18 5070352	HAMILTON AV	5400	Sideswipe Passing	23-Jan-07	No Injury	0	3008605022830087759234	Dry	Clear

Rate:

0.6 Accidents per Million entering vehicles










Volume:

22067

Baseline

09/19/2007

Lanes, Volumes, Timings

						
<u>Lane Group</u>	<u>NBL</u>	<u>NBT</u>	<u>SBT</u>	<u>SBR</u>	<u>NEL</u>	<u>NER</u>
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	10	10	10	10	10	10
Grade (%)		6%	-6%		0%	
Storage Length (ft)	0			0	0	0
Storage Lanes	0			0	2	0
Total Lost Time (s)	3.0	3.0	3.0	3.0	3.0	3.0
Leading Detector (ft)	50	50	50		50	
Trailing Detector (ft)	0	0	0		0	
Turning Speed (mph)	15			9	15	9
Satd. Flow (prot)	0	3198	3188	0	3205	0
Flt Perm.		0.887			0.953	
Satd. Flow (perm)	0	2842	3188	0	3205	0
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			456		4	
Volume (vph)	43	1364	569	410	618	14
Confl. Peds. (#/hr)						
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Lane Group Flow (vph)	0	1564	1088	0	703	0
Turn Type	Perm					
Protected Phases		2	6		4	
Permitted Phases	2					
Detector Phases	2	2	6		4	
Minimum Initial (s)	4.0	4.0	4.0		4.0	
Minimum Split (s)	22.0	22.0	22.0		21.0	
Total Split (s)	39.0	39.0	39.0	0.0	21.0	0.0
Total Split (%)	65%	65%	65%	0%	35%	0%
Yellow Time (s)	3.6	3.6	3.6		3.6	
All-Red Time (s)	2.4	2.4	2.4		1.4	
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	Max	Max	Max		Max	
Lane Grp Cap (vph)		1705	2095		964	
v/s Ratio Prot			0.31		0.22	
v/s Ratio Perm		0.55				
Critical LG?		Yes			Yes	
Act Effct Green (s)		36.0	36.0		18.0	
Actuated g/C Ratio		0.60	0.60		0.30	
v/c Ratio		0.92	0.52		0.73	
Uniform Delay, d1		10.7	3.6		18.7	
Percentile Delay		16.7	3.8		19.1	
Percentile LOS		B	A		B	




Existing Conditions.

Baseline











09/19/2007

Area Type: Other
 Cycle Length: 60
 Actuated Cycle Length: 60
 Offset: 0 (0%), Referenced to phase 2:NBTL and 6:SBT, Start of Green
 Natural Cycle: 60
 Control Type: Pretimed
 Total Lost Time: 6
 Sum of Critical v/s Ratios: 0.77
 Intersection v/c Ratio: 0.85
 Intersection Percentile Signal Delay: 13.0
 Intersection Percentile LOS: B

Splits and Phases: 6: Hamilton & Ashtree

 02	 04
39 s	21 s
 06	
39 s	

Lanes, Volumes, Timings

						
Lane Group	NBL	NBT	SBT	SBR	NEL	NER
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	10	10	10	10	10	10
Grade (%)		6%	-6%		0%	
Storage Length (ft)	0			0	0	0
Storage Lanes	0			0	2	0
Total Lost Time (s)	3.0	3.0	3.0	3.0	3.0	3.0
Leading Detector (ft)	50	50	50		50	
Trailing Detector (ft)	0	0	0		0	
Turning Speed (mph)	15			9	15	9
Satd. Flow (prot)	0	3198	3188	0	3205	0
Flt Perm.		0.842			0.953	
Satd. Flow (perm)	0	2698	3188	0	3205	0
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			543		4	
Volume (vph)	53	1664	695	501	755	18
Confl. Peds. (#/hr)						
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Lane Group Flow (vph)	0	1908	1329	0	859	0
Turn Type	Perm					
Protected Phases		2	6		4	
Permitted Phases	2					
Detector Phases	2	2	6		4	
Minimum Initial (s)	4.0	4.0	4.0		4.0	
Minimum Split (s)	22.0	22.0	22.0		21.0	
Total Split (s)	39.0	39.0	39.0	0.0	21.0	0.0
Total Split (%)	65%	65%	65%	0%	35%	0%
Yellow Time (s)	3.6	3.6	3.6		3.6	
All-Red Time (s)	2.4	2.4	2.4		1.4	
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	Max	Max	Max		Max	
Lane Grp Cap (vph)		1619	2130		964	
v/s Ratio Prot			0.37		0.27	
v/s Ratio Perm		0.71				
Critical LG?		Yes			Yes	
Act Effct Green (s)		36.0	36.0		18.0	
Actuated g/C Ratio		0.60	0.60		0.30	
v/c Ratio		1.18	0.62		0.89	
Uniform Delay, d1		12.0	4.0		20.0	
Percentile Delay		87.9	4.3		27.5	
Percentile LOS		F	A		C	




→ Existing Geometry
→ 20-yr projected traffic

Baseline












09/19/2007

Area Type: Other
Cycle Length: 60
Actuated Cycle Length: 60
Offset: 0 (0%), Referenced to phase 2:NBTL and 6:SBT, Start of Green
Natural Cycle: 75
Control Type: Pretimed
Total Lost Time: 6
Sum of Critical v/s Ratios: 0.97
Intersection v/c Ratio: 1.08
Intersection Percentile Signal Delay: 48.1
Intersection Percentile LOS: D

Splits and Phases: 6: Hamilton & Ashtree

 02	 04
39s	21s
 06	
39s	

Lanes, Volumes, Timings

						
Lane Group	NBL	NBT	SBT	SBR	NEL	NER
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Width (ft)	10	10	10	10	10	10
Grade (%)		6%	-6%		0%	
Storage Length (ft)	150			0	0	0
Storage Lanes	1			0	2	0
Total Lost Time (s)	3.0	3.0	3.0	3.0	3.0	3.0
Leading Detector (ft)	50	50	50		50	
Trailing Detector (ft)	0	0	0		0	
Turning Speed (mph)	15			9	15	9
Satd. Flow (prot)	1602	3204	3188	0	3205	0
Flt Perm.	0.143				0.953	
Satd. Flow (perm)	241	3204	3188	0	3205	0
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			501		3	
Volume (vph)	53	1664	695	501	755	18
Confl. Peds. (#/hr)						
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Growth Factor	100%	100%	100%	100%	100%	100%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%
Bus Blockages (#/hr)	0	0	0	0	0	0
Parking (#/hr)						
Mid-Block Traffic (%)		0%	0%		0%	
Lane Group Flow (vph)	59	1849	1329	0	859	0
Turn Type	Perm					
Protected Phases		2	6		4	
Permitted Phases	2					
Detector Phases	2	2	6		4	
Minimum Initial (s)	4.0	4.0	4.0		4.0	
Minimum Split (s)	22.0	22.0	22.0		21.0	
Total Split (s)	47.0	47.0	47.0	0.0	23.0	0.0
Total Split (%)	67%	67%	67%	0%	33%	0%
Yellow Time (s)	3.6	3.6	3.6		3.6	
All-Red Time (s)	2.4	2.4	2.4		1.4	
Lead/Lag						
Lead-Lag Optimize?						
Recall Mode	Max	Max	Max		Max	
Lane Grp Cap (vph)	151	2014	2190		918	
v/s Ratio Prot		0.58	0.38		0.27	
v/s Ratio Perm	0.24					
Critical LG?		Yes			Yes	
Act Effct Green (s)	44.0	44.0	44.0		20.0	
Actuated g/C Ratio	0.63	0.63	0.63		0.29	
v/c Ratio	0.39	0.92	0.61		0.94	
Uniform Delay, d1	6.4	11.4	4.3		24.3	
Percentile Delay	8.4	15.7	4.6		36.3	
Percentile LOS	A	B	A		D	







- Proposed Geometry
- 20-yr design traffic

Baseline

09/19/2007

Area Type: Other
 Cycle Length: 70
 Actuated Cycle Length: 70
 Offset: 0 (0%), Referenced to phase 2:NBTL and 6:SBT, Start of Green
 Natural Cycle: 70
 Control Type: Pretimed
 Total Lost Time: 6
 Sum of Critical v/s Ratios: 0.84
 Intersection v/c Ratio: 0.92
 Intersection Percentile Signal Delay: 16.3
 Intersection Percentile LOS: B

Splits and Phases: 6: Hamilton & Ashtree

 ø2  47s	 ø4  23s
 ø6  47s	

SUBMISSION CHECKLIST FOR STATE OF OHIO CAPITAL IMPROVEMENT GRANT APPLICATIONS

This checklist must be submitted with the other items necessary for project eligibility and review. Upon district receipt of the full package, this checklist will be date stamped and a copy will be forwarded to the applying jurisdiction. Once the checklist has been stamped, the district will accept no additional information regarding the project.

Hamilton Avenue Improvements

The following items **MUST** be submitted (by the deadline for such submission) in order for the District Two-Integrating Committee and Support Staff to consider your application complete and eligible for funding:

<input type="checkbox"/> OPWC Application for Financial Assistance (State of Ohio Form—Signed by C.E.O.)	<input checked="" type="checkbox"/> Additional Support Information Form (District Two Form)	<input checked="" type="checkbox"/> Detailed Cost Estimate (Signed by P.E.)
<input checked="" type="checkbox"/> Useful Life Certificate (Signed by P.E.)	<input checked="" type="checkbox"/> Status of Funds Certification (Jurisdiction Letterhead—Signed by C.F.O.)	<input checked="" type="checkbox"/> Project Vicinity Map
<input checked="" type="checkbox"/> Project Pictures (Minimum of 4 - Mounted)		

The following items **MUST** be submitted with the application in order for the District Two Support Staff to consider the maximum points available for your application (Specify type of submission):

- | | |
|--|---|
| <ul style="list-style-type: none"> • Infrastructure Condition Data
<u>Street Condition Database Information</u>
<u>Photos showing pavement</u> | <ul style="list-style-type: none"> Infrastructure Safety Data
<u>Crash rate sheets and database information</u> |
| <ul style="list-style-type: none"> • Infrastructure Health Data | <ul style="list-style-type: none"> Jurisdiction User Fee/Assessment Data |
| <ul style="list-style-type: none"> • Economic Growth Data | <ul style="list-style-type: none"> • Alleviate Traffic Hazards/LOS Data |
| <ul style="list-style-type: none"> • Ban/Moratorium Data | <ul style="list-style-type: none"> • Users Certification Data
<u>Certified Traffic Count</u> |

The following items must be submitted by November 5, 2007:

<input type="checkbox"/> Capital Improvement Report (State of Ohio Form)	<input type="checkbox"/> Enabling Legislation (On Jurisdiction Letterhead and Signed by Clerk)
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